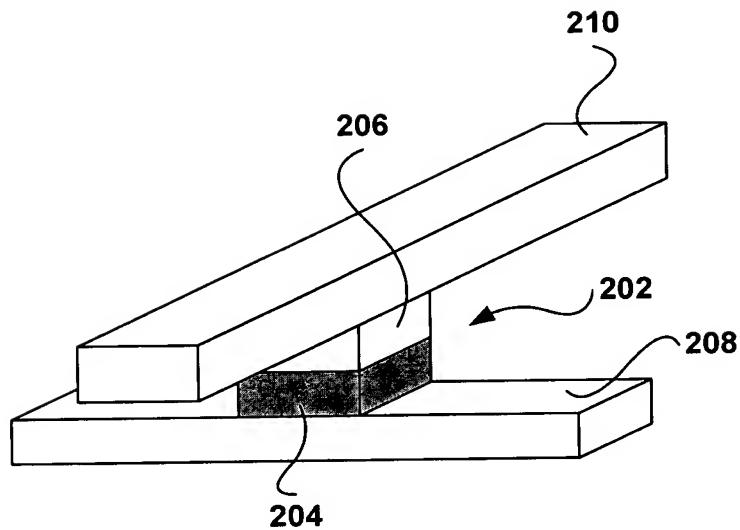


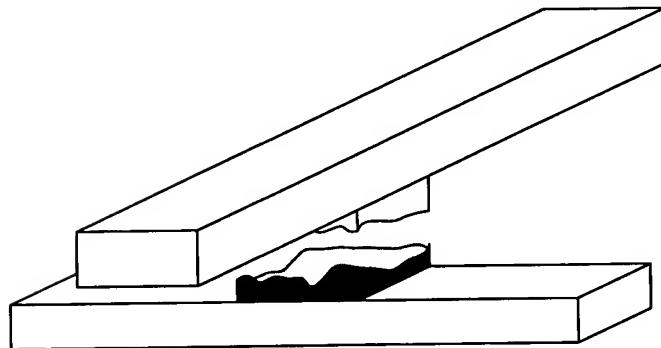
Figure 1



2/12



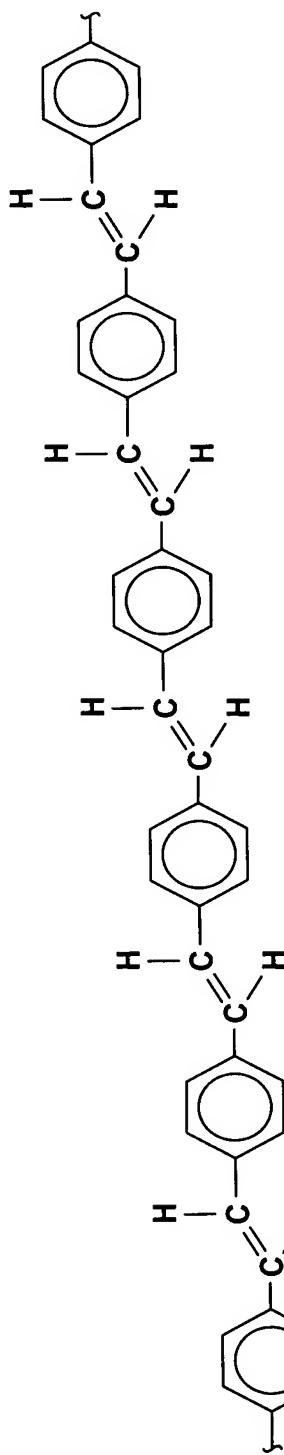
**Figure 2A**



**Figure 2B**

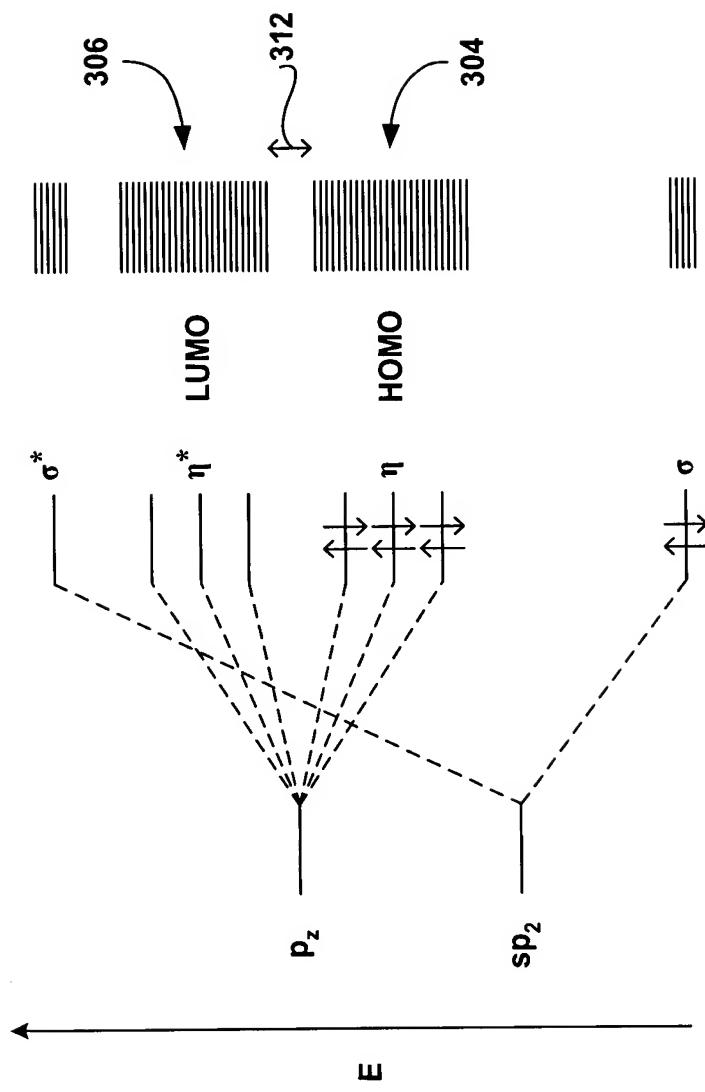


3/12

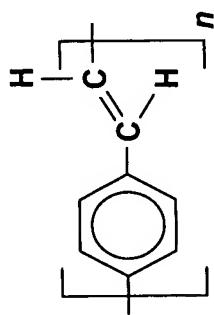


**Figure 3A**

308  
302



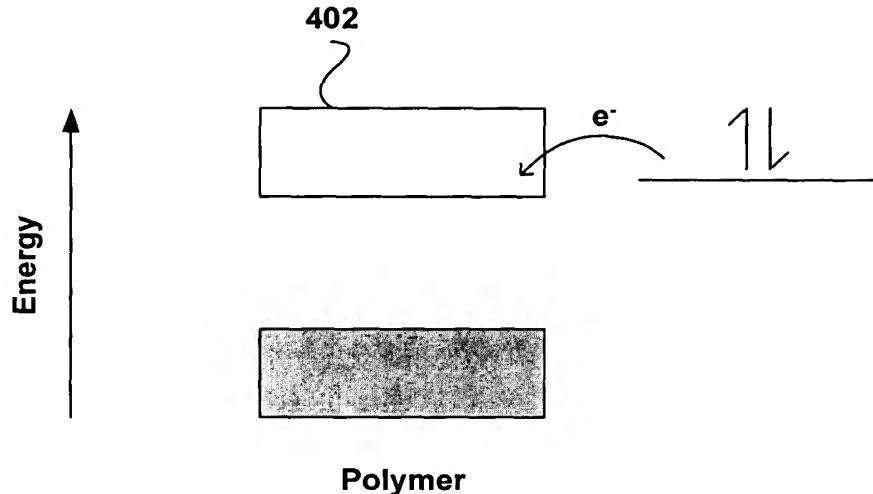
**Figure 3C**



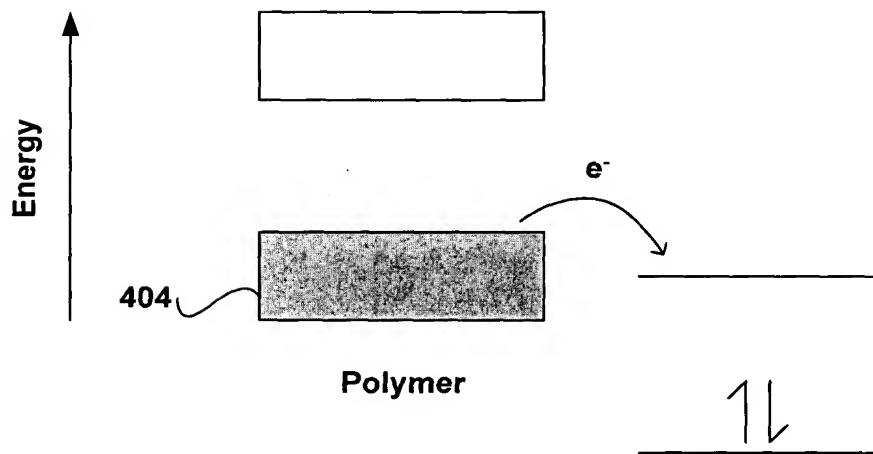
**Figure 3B**



4/12



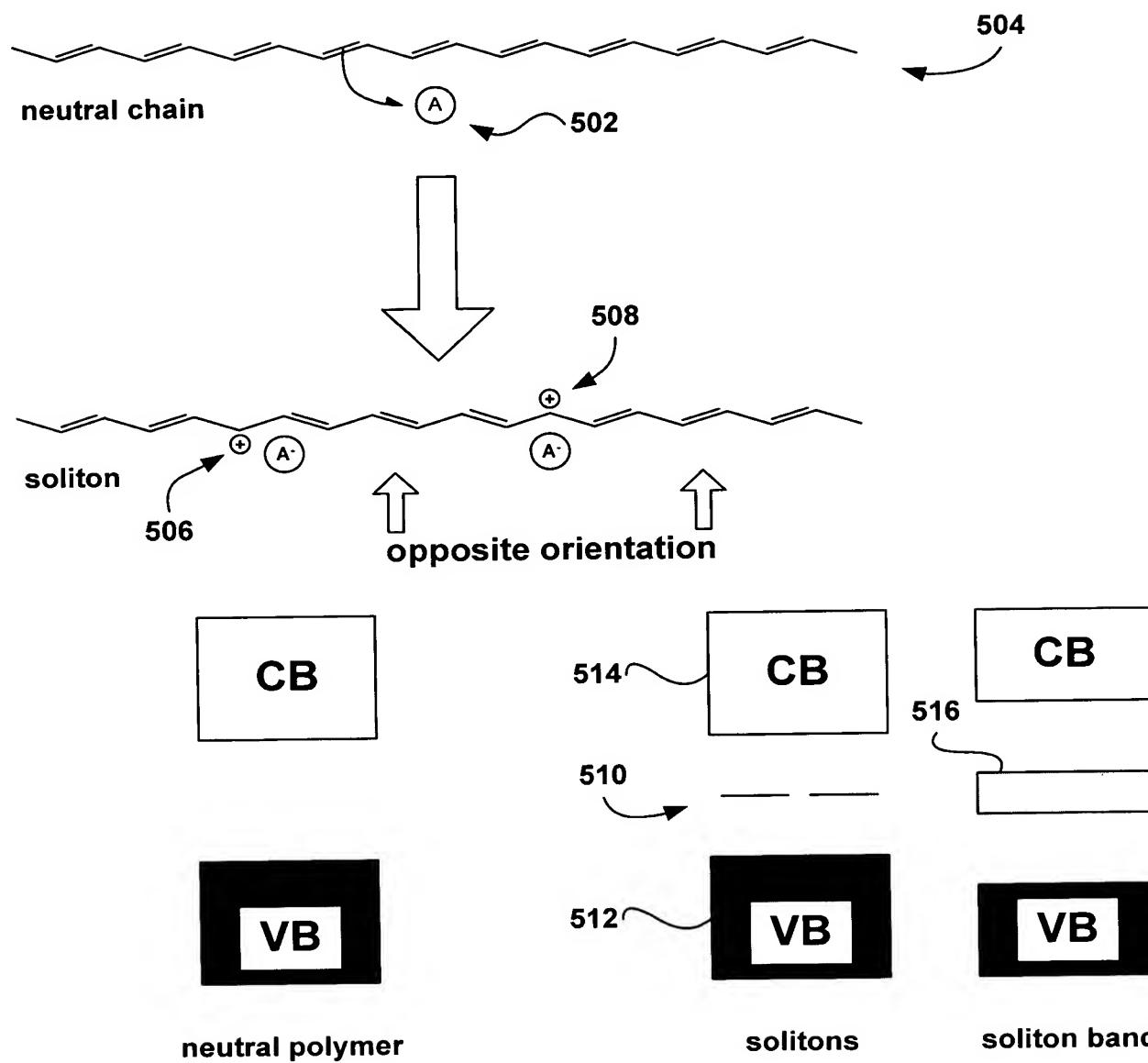
**Figure 4A**



**Figure 4B**



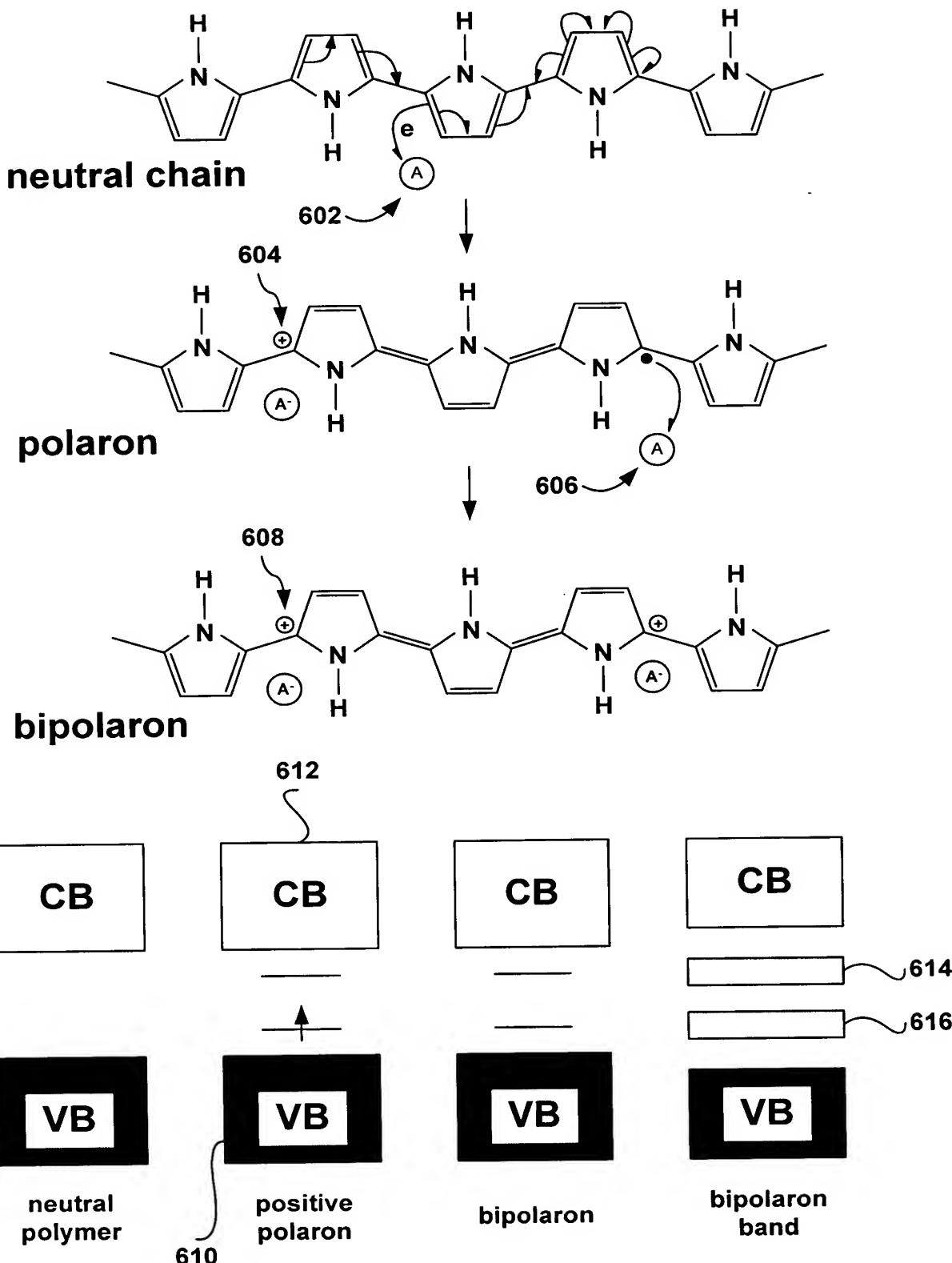
5/12



**Figure 5**



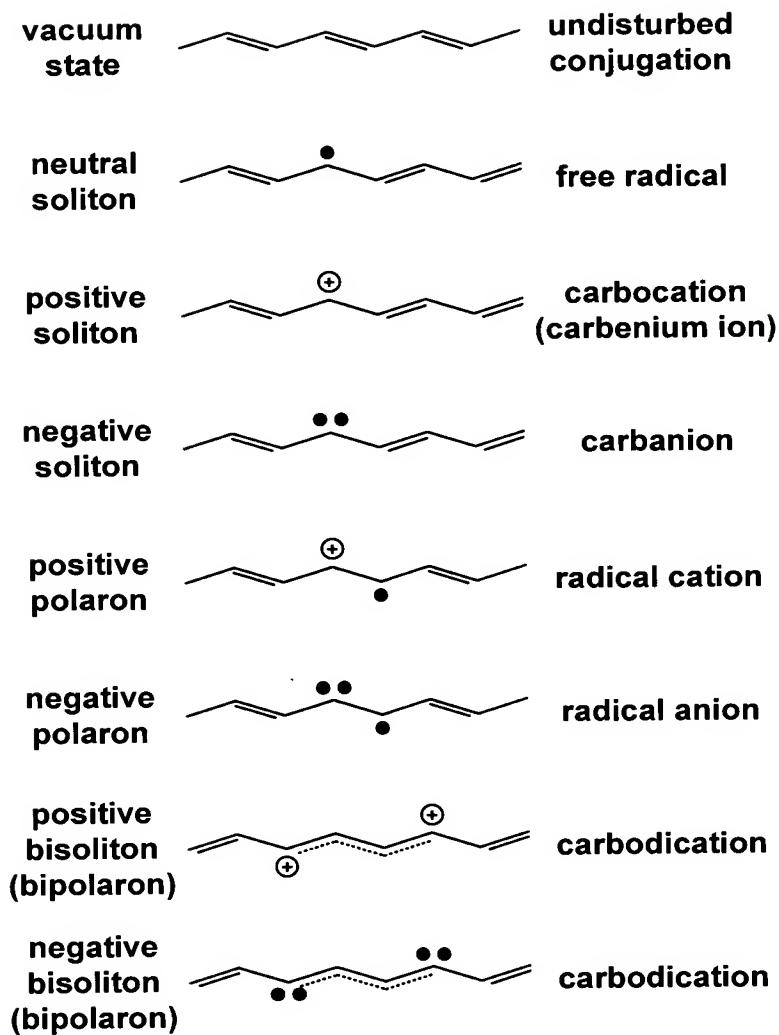
6/12



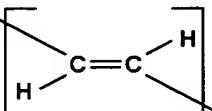
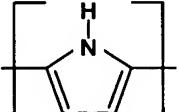
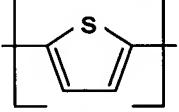
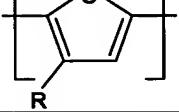
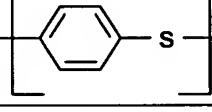
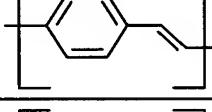
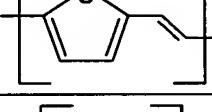
**Figure 6**



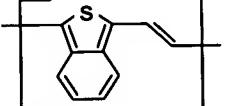
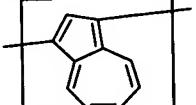
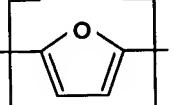
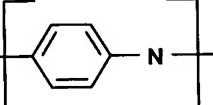
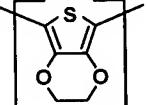
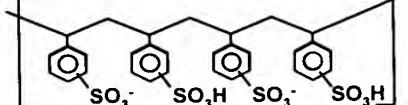
7/12



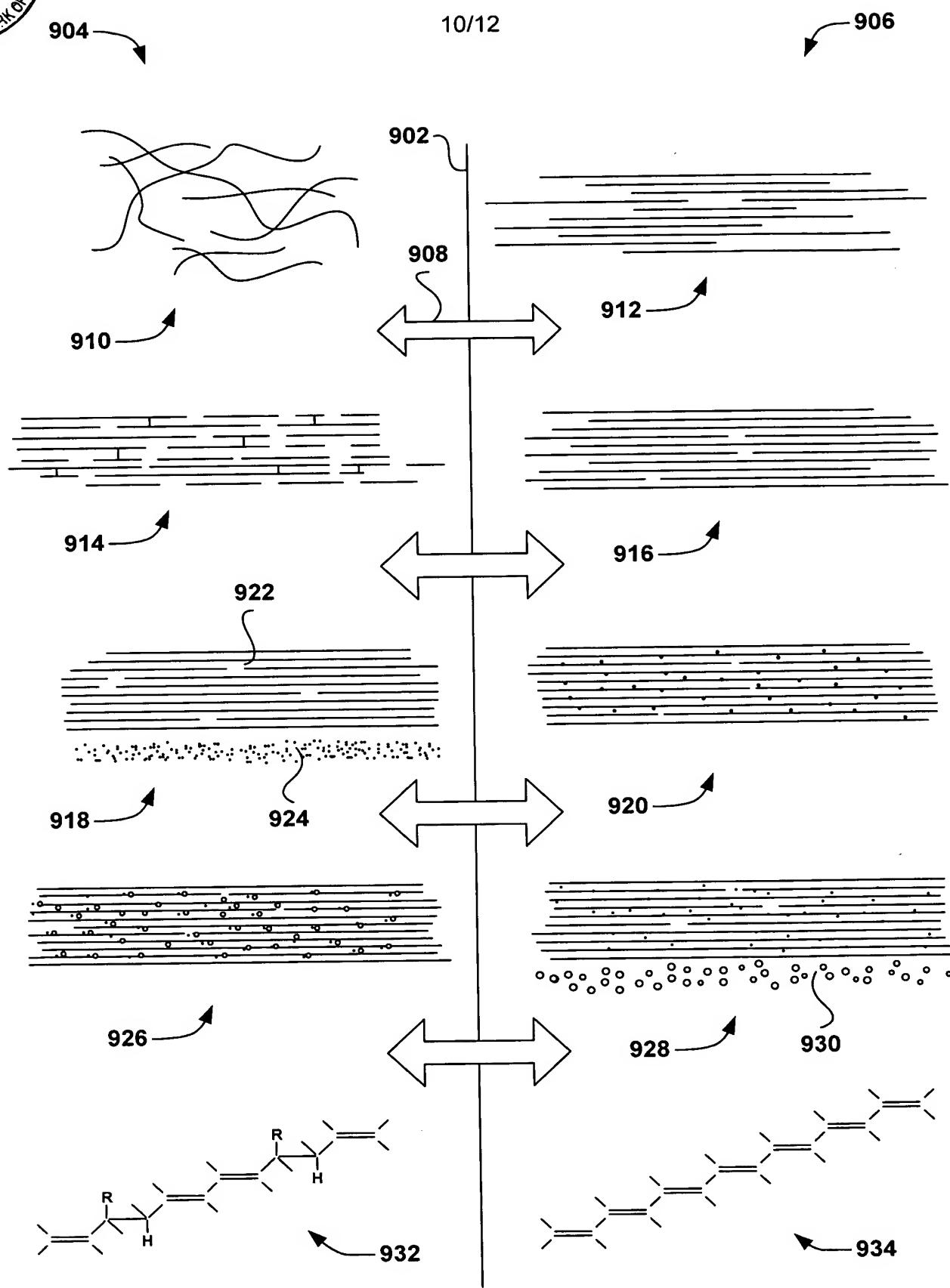
**Figure 7**

polymer	structure	dopants
polyacetylene		I <sub>2</sub> , Br <sub>2</sub> , Li, Na, AsF <sub>5</sub>
polypyrrole		BF <sub>4</sub> <sup>-</sup> , ClO <sub>4</sub> <sup>-</sup>
polythiophene		BF <sub>4</sub> <sup>-</sup> , ClO <sub>4</sub> <sup>-</sup>
poly (3-alkylthiophene)		BF <sub>4</sub> <sup>-</sup> , ClO <sub>4</sub> <sup>-</sup>
polyphenylene sulphide		AsF <sub>5</sub>
polyphenylenevinylene		AsF <sub>5</sub>
polythienylenevinylene		AsF <sub>5</sub>
polyphenylene		AsF <sub>5</sub> , Li, Na

**Figure 8A**

polymer	structure	dopants
polyisothianaphthelene		$\text{BF}_4^-$ , $\text{ClO}_4^-$
polyazulene		$\text{BF}_4^-$ , $\text{ClO}_4^-$
polyfuran		$\text{BF}_4^-$ , $\text{ClO}_4^-$
polyaniline		HCl
poly (3,4- ethylene dioxythiophene)		

**Figure 8B**



**Figure 9**

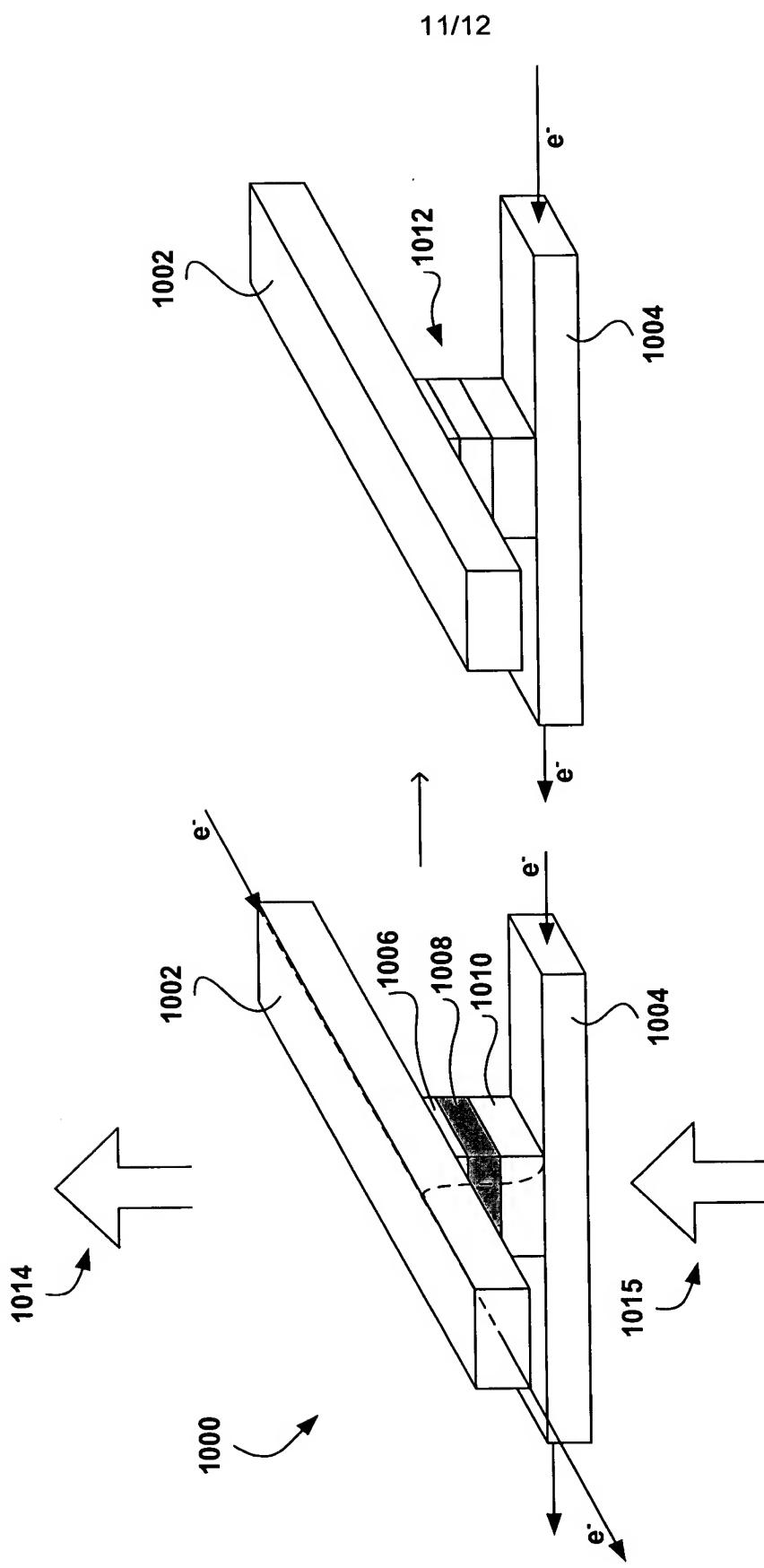


Figure 10



12/12

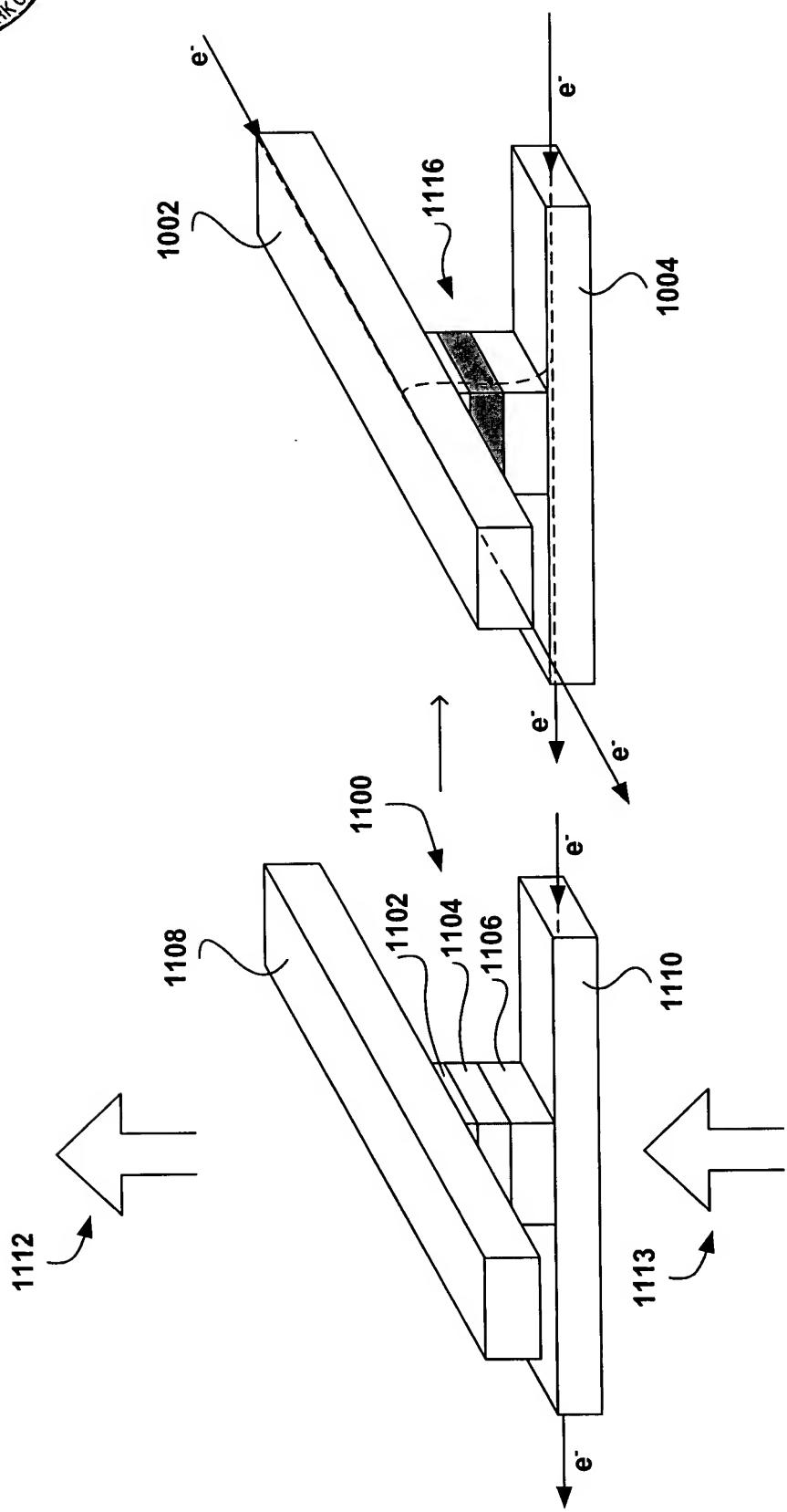


Figure 11